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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/587,774
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	First Named Inventor	Heungsik Park
	Group Art Unit	2881
	Examiner Name	Nikita Wells
Total Number of Pages in This Submission	35	Attorney Docket Number 2230.01

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(21,22) Application number & Date : JP62-17835 19870127

(54) Title : ULTRAVIOLET DISINFECTING DEVICE OF DENTAL
DRILLING INSTRUMENT

Claims:

(1) An ultraviolet disinfecting device for use in a dental drilling
instrument, comprising:

a body;

a support tube formed of transparent quartz glass for fittingly
supporting the dental drilling instrument disposed in the body;

a plurality of ultraviolet disinfecting lamps disposed at the outer
circumference of the support tube;

a reflecting plate disposed at the inner surface of the body
accommodating the support tube formed of transparent quartz glass,
for diffusely reflecting an ultraviolet ray irradiated from the
ultraviolet disinfecting lamp; and

an opening and closing means like a shutter of a camera installed at

the front side of the body conforming to the opening end of the support tube formed of transparent quartz glass.

(2) The ultraviolet disinfecting device according to claim 1, wherein the opening and closing device is controlled by a switch disposed on a lighting control circuit of the ultraviolet lamp by turning it on and off.

(3) The ultraviolet disinfecting device according to claim 1, wherein the ultraviolet disinfecting Lamp is lighted up by an OK lamp switch disposed at the front side of the body .